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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/689,988 | 10/22/2003 | Thomas Hagan | 07450002BA | 8985 |
| 30743 7590 02/20/2008 WHITHAM, CURTIS & CHRISTOFFERSON & COOK, P.C. 11491 SUNSET HILLS ROAD SUITE 340 RESTON, VA 20190 | | | EXAMINER NGUYEN, CAO H | |
| | | | ART UNIT 2173 | PAPER NUMBER |
| | | | MAIL DATE 02/20/2008 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary

Application No.

10/689,988

Applicant(s)

HAGAN ET AL.

Examiner

Cao (Kevin) Nguyen

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-20,24 and 25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-20,24 and 25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: On page 17 of the Specification claims 3 and 21-23 are missing. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-20, and 24-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Senechalle et al. (US Patent No. 2002/0191028).

Regarding claim 1, Senechalle discloses a method comprising inputting a first constraint image graphically establishing size information of a plurality of user interface window items with respect to a first window size [..The window manager then determines whether the minimum size of one of the views is larger than one-half of the original space of the original pane window; see par. 0039-0040]; inputting a second constraint image graphically establishing size information of said plurality of user interface window items with respect to a second window size [..resizing a pane window 14, the window manager determines whether the minimum size constraint of any pane window; see par. 0050-0051]; and generating a user

interface window of a third size and having said plurality of user interface window items disposed therein, wherein a size of each of said plurality of user interface window items is determined as a function of said size information of said first and second constraint images [..The frame window 12 includes a toolbar that enables the user to perform standard operations, such as to start an application, close an application, or print, in the focused pane window. The user can also save the frame window configuration, including the arrangement of pane windows 14, and the current application parameters; see par. 0032-0033].

Regarding claim 2, Senechalle discloses wherein said plurality of user interface window items comprise panes [..f the frame window 12 is empty, then the new pane window is created, step 306, and inserted into the frame window. The newly-created pane window 14 is sized to fill the frame window; see par. 0035 and figure 2].

Regarding claim 4, Senechalle discloses wherein said generating said user interface window of said third size is accomplished in runtime of a computer program in response to a user resizing said user interface window [..The minimum size ensures that the application running in that pane window 14 will have a sufficient size to be viewable to the user; see par. 0037].

Regarding claim 5, Senechalle discloses further comprising deriving program code for dynamically generating said user interface window of said third size, wherein said program

code comprises interpolative formulas for sizing said plurality of user interface window items for user interface windows of various sizes between said first window size and said second window size [..The frame window 12 includes a toolbar that enables the user to perform standard operations, such as to start an application, close an application, or print, in the focused pane window. The user can also save the frame window 12 configuration, including the arrangement of pane windows 14, and the current application parameters; see par. 0033-0034].

Regarding claim 6, Senechalle discloses further comprising deriving program code for dynamically generating said user interface window of said third size, wherein said program code comprises extrapolative formulas for sizing said plurality of user interface window items for user interface windows of various sizes outside of said first window size and said second window size [..A window manager has a frame window, with one or more pane windows. Each pane window has a viewing area that is used to display an application. If the application running in the viewing area cannot be fully viewed, a scroll bar and scroll keys are provided to enable the user to scroll through the entire application; see abstract].

Regarding claim 7, Senechalle discloses further comprising inputting a third constraint image graphically establishing size information of said plurality of user interface window items with respect to a fourth window size (see figures 1-2).

Regarding claim 8, Senechalle discloses wherein said third constraint image establishes a resizing behavior transition point with respect to at least one user interface window item of said plurality of user interface window items (see par. 0043-0044).

Regarding claim 9, Senechalle discloses wherein a size of each of said plurality of user interface window items generated by said generating a user interface window of said third size is further determined as a function of said size information of said third constraint image (see par. 0049-0050).

Regarding claim 10, Senechalle discloses a method comprising inputting a first constraint image graphically establishing size information of a plurality of user interface window items with respect to a first window size (see figures 1); inputting a second constraint image graphically establishing size information of said plurality of user interface window items with respect to a second window size (see figure 2); and deriving program code for dynamically generating a user interface windows of various sizes different than said first window size and said second window size and having said plurality of user interface window items disposed therein, wherein a size of each of said plurality of user interface window items within said dynamically generated user interface windows is determined as a function of said size information of said first and second constraint images (see pars. 0059-0060).

Regarding claim 11, Senechalle discloses further comprising generating a user interface window of a third size and having said plurality of user interface window items disposed therein using said derived program code (see pars. 0061-0063).

Regarding claim 12, Senechalle discloses wherein said generating said user interface window of said third size comprises interpolating sizing information between said first constraint image and said second constraint image (see pars. 0050-0051).

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Regarding claim 13, Senechalle discloses wherein said generating said user interface window of said third size comprises extrapolating sizing information outside of said first and second constraint images (see par. 0049 and figure 9).

Regarding claim 14, Senechalle discloses wherein said generating said user interface window of said third size is accomplished in runtime of a computer program in response to a user resizing said user interface window (see par. 0052).

Regarding claim 15, Senechalle discloses wherein said plurality of user interface window items comprise panes (see figure 1).

Regarding claim 16, Senechalle discloses further comprising inputting a third constraint image graphically establishing size information of said plurality of user interface window items with respect to a third window size (see figures 4-5).

Regarding claim 17, Senechalle discloses wherein said third constraint image establishes a resizing behavior transition point with respect to at least one user interface window item of said plurality of user interface window items (see pars. 0061-0062).

Regarding claim 18, Senechalle discloses a constraint image input module accepting graphical images representing a desired layout of a user interface in at least two different sizes (see figure 1); a resizing constraint capture module capturing resizing constraints from one or more constraint images accepted by said constraint image input module (see figure 2); and a code generation module generating code including a resizing algorithm derived from said resizing constraints, said resizing algorithm controlling resizing of said layout of said user interface consistent with said one or more constraint images (see pars. 0061-0064).

Regarding claim 19, Senechalle discloses further comprising a development tool, said development tool including said resizing constraint capture module and said code generation module (see par. 0033).

Regarding claim 20, Senechalle discloses wherein said development tool further includes said constraint image input module (see pars. 0050-0051).

Regarding claim 24, Senechalle discloses wherein said resizing algorithm is operable to control resizing of said layout of said user interface using interpolation between said resizing constraints of a plurality of constraint images (see figures 1-2).

Regarding claim 25, Senechalle discloses wherein said resizing algorithm is operable to control resizing of said layout of said user interface using extrapolation of resizing constraints of a plurality of constraint images (see pars. 0048-0053).

Conclusion

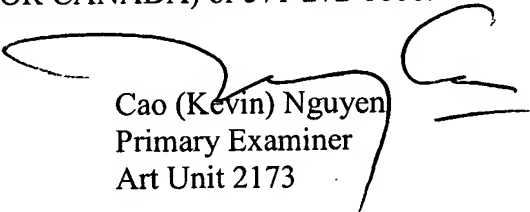
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure (see PTO-892).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (571)272-4053. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571)272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Cao (Kevin) Nguyen
Primary Examiner
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02/15/08